

Multicast

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SSM test plan



- *<http://www.cesnet.cz/tf-ngn/multicast/ssm/>*
- Host and router implementations of IGMPv3 and PIM-SSM
- Scenarios of SSM usage
- SSM-enabled applications
- SSM session announcements
- Recommendations for deployment

IGMPv3 support



- Two Linux implementations: Sprint Labs and Cisco
- Kernel patch from Cisco (based on BSD implementation) was updated for 2.4.19
- Verified to work with Cisco and Juniper routers
- Tomek Szewczyk: FreeBSD
- Windows XP: volunteers?

Test utility



- `ssmsend -t 64 232.1.1.1`
- `ssmrec -s 195.113.187.3 232.1.1.1`
- Receiver requires IGMPv3 support in local network
- Transmitted data: packet sequence number, timestamp
- Operation verified between CZ (sender) and CH, PL, NO (receivers)
- Programs ported to FreeBSD (Tomek)

- Windows XP—probably different API?

Multicast beacon

- New version 0.8.11 of C-client (Josef Mašek): corrected bug in delay calculation
- Update on PSNC efforts: Szymon